

METAL AIR CELL INCORPORATING FLUID MANAGEMENT SYSTEMABSTRACT

A metal air cell system is provided. The system includes a cathode having a pair of oxidant sides and anode sides. An anode is provided in two parts, each part having a side complementary each anode side of the cathode. A separator is disposed between the anode and cathode to electrically isolate the anode and the cathode. Electrolyte is

5 disposed between the cathode and the anode, the electrolyte provided within the anode, separately at the interface between the cathode and the anode, or both within the anode and separately at the interface between the cathode and the anode. This configuration generally allows a single oxidant flow to be exposed to both portions of the cathode due to the central passage of the oxidant.

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